

ABSTRACT OF THE DISCLOSURE

5 A beam is supported at a balance point by a pivot attached at a fixed pivot support. The beam is
movable in cyclic tilting motion about the pivot such that ends of the beam move vertically in
mutually opposing directions. The ends of the beam pivotally engage vertical arms depending
downwardly where each of the arms terminates at a mixing plate. the mixing plates cause fluid
mixing as the beam tilts back and forth. Mechanical advantage is obtained by the use of gravity
10 through an unbalancing weight which is moved from one side of the beam to the other
mechanically or hydraulically or the beam is pushed to cause the tilting. Automatic position
sensed switching enables the apparatus to move in automated motion.